

Serial No. 09/731,262

Page 2 of 19

**IN THE CLAIMS**

Please reconsider the claims as follows:

1. (currently amended) A display generator for a combined display of a graphics image and a television video image, said graphics image being defined by an HTML syntax, said television video image being derived from a real time television signal, said display generator comprising:

a programmed processor responsive to said HTML syntax for parsing, layout and rendering said graphics image to form a rendered graphics image;

a graphics memory for storing said rendered graphics image;

a television video receiver responsive to said real time television signal, said television video receiver having an output forming said television video image;

a controller coupled to said program processor and responsive to user inputs comprising:

transparency controls for adjusting a transparency of individual pixels of said rendered graphics image and said television video image; and  
picture-in-graphics (PIG) controls for determining the size and position of the real time television signal; and

a video combiner, responsive to the transparency and PIG controls, said graphics memory and said television video receiver, for combining individual pixels of said rendered graphics image stored in said graphics memory with respective individual pixels of said television video image to form respective individual pixels of said combined display of said graphics image and said television video image,

432227-1

wherein said rendered graphics image and said television video image are from different sources and the combined display is generated in real time,

wherein the PIG image is positioned as an overlay of the graphics image,  
the PIG image having a position and size independent to the graphics image.

2. (currently amended) A display generator in accordance with claim 1, further including a transparency control input terminal, wherein said video combiner is responsive to a said transparency control input to form individual pixels of said combined graphics image and said television video image from individual pixels of said rendered graphics image stored in said graphics memory with respective individual pixels of said television video image in a proportion determined by a control signal applied to said transparency control input terminal.
3. (Original) A display generator in accordance with claim 1, further including a size control input terminal, wherein said video combiner further comprises:  
  
a video resizing module having a respective input terminal coupled to said television video receiver and respective output terminal coupled to said video combiner, said video resizing module responsive to a size control input to scale said television video image by a factor determined by said size control input.
4. (Original) A display generator in accordance with claim 3, further including a position control input, wherein said video combiner is responsive to said position control input to form individual pixels of said combined graphics image and television image by combining individual pixels of said rendered graphics image stored in said graphics memory with individual pixels of said television video image at a position determined by said position control input.
5. (currently amended) A display generator for a combined display of a graphics image and a television video image, said graphics image being defined by an HTML syntax including a television video HTML statement defining a television

Serial No. 09/731,262

Page 4 of 19

video HTML object, said television video image being derived from a real time television signal, said display generator comprising:

a television video receiver responsive to said real time television signal, said television video receiver having an output forming said television video image;

a programmed processor responsive to said HTML syntax for parsing, layout and rendering said graphics image to form a rendered graphics image,

a graphics memory for storing said rendered graphics image;

a controller coupled to said program processor and responsive to user inputs comprising:

transparency controls for adjusting a transparency of individual pixels of said rendered graphics image and said television video image; and

picture-in-graphics (PIG) controls for determining the size and position of the real time television signal; and

a video combiner, responsive to the transparency and PIG controls, said graphics memory and said television video receiver to combine individual pixels of said rendered graphics image stored in said graphics memory with respective individual pixels of said television video image, said video combiner further responsive to said television video HTML statement to position said television video image in said graphics image to form said combined display,

wherein said rendered graphics image and said television video image are from different sources and the combined display is generated in real time.

wherein the PIG image is positioned as an overlay of the graphics image, the PIG image having a position and size independent to the graphics image.

432227-1

Serial No. 09/731,262

Page 5 of 19

6. (Original) A display generator in accordance with claim 5, wherein said television video receiver is responsive to said television video HTML statement to determine the channel selected by said television receiver.

7. (Original) A display generator in accordance with claim 5, wherein said video combiner is responsive to said television video HTML statement to determine the size of said television video HTML object in said rendered graphics image.

8. (Original) A display generator in accordance with claim 5, wherein said video combiner is responsive to said television video HTML statement to determine the position of said television video HTML object in said rendered graphics image.

9. (Original) A display generator in accordance with claim 5, wherein said television video HTML statement is substantially given by

<VIDEO SRC = "Source:Frequency:ChannelNo" HEIGHT="in graphical units" WIDTH="in graphical units" BORDER="in graphical units">, wherein,

SRC specifies the source as the Frequency or Channel Number of said real time television signal,

HEIGHT specifies the height of said television video HTML object to be displayed,

WIDTH specifies the width of said television video HTML object to be displayed and

BORDER specifies the border around said television video HTML object to be displayed.

432227-1

Serial No. 09/731,262

Page 6 of 19

10. (currently amended) A method for generating a combined display of a graphics image in combination with a television video image, said graphics image being defined by an HTML syntax, said television video image being derived from a real time television signal, said method comprising:

rendering said HTML syntax to form a rendered graphics image;

receiving said real time television signal to form said television video image;

adjusting a transparency of individual pixels of said graphics image and video image;

determining a size and position of the television video image; and

combining individual pixels of said rendered graphics image with respective individual pixels of said television video image to display respective individual pixels of said rendered graphics image in combination with said television video image, wherein said graphics image and said television video image are from different sources and the television video image is positioned as an overlay of the graphics image, the PIG image having a position and size independent to the graphics image.

11. (Original) A method in accordance with claim 10, further including the step of controlling the relative transparency of said graphics image in combination with said television video image by combining said individual pixels of said rendered graphics image and said respective individual pixels of said television video image in a predetermined ratio.

12. (currently amended) A method for generating a combined display of a graphics image in combination with a television video image, said graphics image being defined by an HTML syntax including a television video HTML statement

432227-1

Serial No. 09/731,262  
Page 7 of 19

defining a television video HTML object, said television video image being derived from a real time television signal, said method comprising:

receiving said real time television signal to form said television video image;

rendering said HTML syntax to form a rendered graphics image;

adjusting a transparency of individual pixels of said graphics image and video image;

determining a size and position of the television video image; and

combining, responsive to said television video HTML statement, individual pixels of said television video image with respective individual pixels of said rendered graphics image, to position said television video image in said graphics image and form said combined display, wherein said rendered graphics image and said television video image are from different sources and the television video image is positioned as an overlay of the graphics image, the PIG image having a position and size independent to the graphics image.

13. (Original) A method in accordance with claim 12, wherein said receiving step is responsive to said television video HTML statement to determine the channel of said television video image.

14. (previously presented) A method for generating a combined display of a graphics image in combination with a television video image, said graphics image being defined by an HTML syntax including a television video HTML statement defining a television video HTML object, said television video image being derived from a real time television signal, said method comprising:

receiving said real time television signal to form said television video image;

432227-1

Serial No. 09/731,262  
Page 8 of 19

rendering said HTML syntax to form a rendered graphics image;

adjusting a transparency of individual pixels of said graphics image and video image;

combining, responsive to said television video HTML statement, individual pixels of said television video image with respective individual pixels of said rendered graphics image, to position said television video image in said graphics image and form said combined display, wherein said rendered graphics image and said television video image are from different sources and said television video HTML statement is substantially given by

<VIDEO SRC = "Source:Frequency:ChannelNo" HEIGHT="in graphical units" WIDTH="in graphical units" BORDER="in graphical units">, wherein,

SRC specifies the source as the Frequency or Channel Number of said real time television signal,

HEIGHT specifies the height of said television video HTML object to be displayed,

WIDTH specifies the width of said television video HTML object to be displayed and

BORDER specifies the border around said television video HTML object to be displayed.

15. (previously presented) A display generator for a combined display of a graphics image and a television video image, said graphics image being defined by an HTML syntax including a television video HTML statement defining a

432227-1

Serial No. 09/731,262  
Page 9 of 19

television video HTML object, said television video image being derived from a real time television signal, said display generator comprising:

a television video receiver responsive to said real time television signal, said television video receiver having an output forming said television video image;

a programmed processor responsive to said HTML syntax for parsing, layout and rendering said graphics image to form a rendered graphics image,

a graphics memory for storing said rendered graphics image;

a controller coupled to said program processor and responsive to user inputs comprising transparency controls for adjusting a transparency of individual pixels of said rendered graphics image and said television video image; and

a video combiner responsive to said graphics memory and said television video receiver to combine individual pixels of said rendered graphics image stored in said graphics memory with respective individual pixels of said television video image, said video combiner further responsive to said television video HTML statement to position said television video image in said graphics image to form said combined display, wherein said rendered graphics image and said television video image are from different sources and said television video HTML statement is substantially given by

<VIDEO SRC = "Source:Frequency:ChannelNo" HEIGHT="in graphical units" WIDTH="in graphical units" BORDER="in graphical units">, wherein,

SRC specifies the source as the Frequency or Channel Number of said real time television signal,

432227-1



Serial No. 09/731,262  
Page 10 of 19

HEIGHT specifies the height of said television video HTML object to be displayed,

WIDTH specifies the width of said television video HTML object to be displayed and

BORDER specifies the border around said television video HTML object to be displayed.

432227-1